

***MINISTRY OF AGRICULTURE
HYDROMETEOROLOGICAL SERVICE***

WEATHER BRIEF for Monday, April 17, 2017 from the Hydrometeorological Service, Guyana

Rainfall records for the past 24 hours, measured at 08:00 hrs Monday April 17, 2017, were available for most of the stations.

The highest rainfall of 49.8 mm was recorded at Lethem in Region 9.

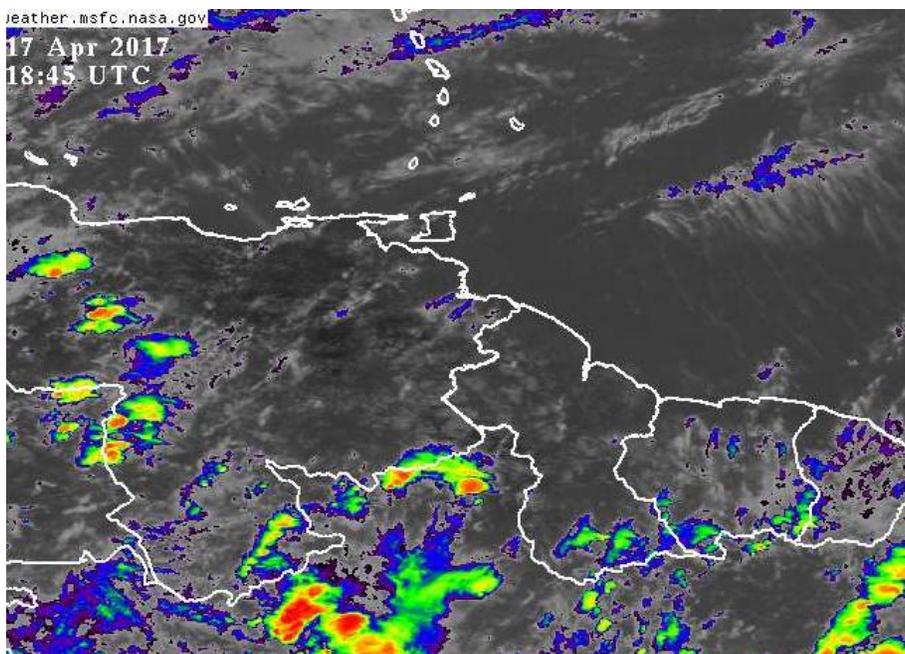
Synopsis: Ridge of high pressure became the dominant feature affecting Guyana. Model forecast suggest that this pattern will continue for the next week period after which, will weaken to allow some convection.

Today's weather review: Sunny skies were observed throughout Guyana with a few mid-morning passing showers in the inland areas.

Table # 1 Weather forecast for the next Twenty-four hours.

Monday April 17, 2017 (19:00 hrs – 07:00 hrs)			Tuesday April 18, 2017 (07:00 hrs – 19:00 hrs)		
Regions	Weather Conditions	Partly cloudy skies throughout Guyana.	Regions	Weather Conditions	Generally sunny skies.
Regions 1 to 10	 No significant rainfall	<u>Winds:</u> Breezy <u>Minimum temperatures:</u> Coast: 23 °C – 26°C Hinterland: 22 °C – 24 °C	Regions 1 to 10	 No significant rainfall	<u>Winds:</u> Breezy to windy <u>Maximum temperatures:</u> Coast: 31 °C – 34°C Hinterland: 32 °C – 35 °C

The long-term daily average rainfall for Georgetown, for the next 10 days, April 17 to April 26, 2017 is 5.2 mm per day.



Infra-red Satellite image valid 18:45 UTC (14:45 hrs) Monday April 17, 2017

Table # 2 Occurrences of high and low tides for the next 24 hours and the times for sunrise and sunset.

Tonight (April 17, 2017)	Tomorrow Morning (April 18, 2017)	Tomorrow Afternoon (April 18, 2017)
High Tide 20:00hrs Height 2.36m	Low Tide 01:51hrs Height 1.35m High Tide 08:24hrs Height 2.28m	Low Tide 14:58hrs Height 1.11m
Sunrise	05:43hrs	Sunset
		18:00hrs

Sea conditions: MODERATE SEAS WITH WAVES REACHING HEIGHTS OF 1.5 TO 2.5 METERS IN OPEN WATERS

Extended Forecast

Wednesday to Saturday: Partly cloudy and sunny skies with light passing showers. **No significant rainfall is expected within a 24hrs period.**

Sunday, Cloudy to occasionally overcast skies with scattered to occasional showers. **Rainfall is expected between 0.0 mm to 25.0 mm (0 – 0.98 inch) within 24 hour**

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Seasonal Information (UPDATED 13 March, 2017) – ENSO alert status: Not Active

ENSO-neutral conditions are favored to continue through at least the Northern Hemisphere spring 2017 (June), with increasing chances for El Niño development into the fall (September).

According to the ENSO update issued on Thursday March 9, 2017, by the Climate Prediction Centre and associates, ENSO neutral conditions continued throughout the month of February, 2017. This was reflected in near-average sea surface temperatures (SSTs) across the central equatorial Pacific and above-average SSTs in the eastern Pacific. The low-level easterly winds were slightly enhanced over the western tropical Pacific and were weaker than average over the eastern Pacific. Also, upper-level westerly winds were anomalously easterly over portions of the western and eastern Pacific. Most models predict the continuation of ENSO-neutral through the early Northern Hemisphere summer (May-July; Fig. 6). However, some dynamical model forecasts anticipate an onset of weak El Niño as soon as the late Northern Hemisphere spring (March-May 2017). Because of typically lower skill in forecasts made at this time of the year, and the lingering La Niña-like tropical convection patterns, the forecaster consensus favors ENSO-neutral conditions during the spring (March-May) with an approximately 75% chance. Thereafter, there are increasing odds for weak El Niño toward the second half of 2017 (50-55% chance from approximately July-December).

The latest CARICOF forecasts suggest that Guyana would experience above normal (35 % probability) to normal (35 % probability) weather conditions during the period March to May.

Surface analysis shows that the ITCZ is oscillating south of the equator and the subtropical High pressure is the most dominant feature in the Northern Atlantic. These and other dynamic and thermodynamic features in the atmosphere show that Northern Guyana is currently in its first dry season for the year, while Southern Guyana continues in its only dry season. Southern Guyana is expected to begin to transition into its only rainy season towards the end of March. Considering the present conditions and forecast conditions, Guyana is likely to experience above normal to normal weather conditions during the next three months. Please note that the dry season does not imply the absence of precipitation, but a reduction of precipitation.

Update in the bulletin is provided daily by the Hydromet Service: www.hydromet.gov.gy
Senior Meteorological Technician: E. McPherson

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